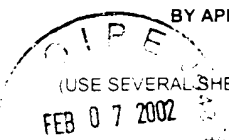
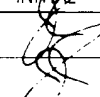
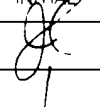
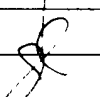



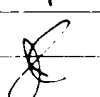
FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO UC072 001A	APPLICATION NO 09.990.613
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (USE SEVERAL SHEETS IF NECESSARY)  		APPLICANT WU et al	
		FILING DATE November 21, 2001	GROUP <del>155</del>

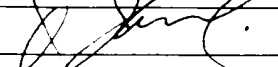
## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
	1	6,136,539	10/24/00	Basbaum et al	435	6	02/11/99
	2	US 670,747 B1	08/07/01	Nadel et al	424	9.2	08/17/99

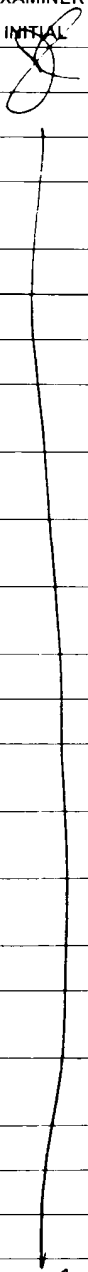
## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	3	JP9012473A2	14.01.97	Japan				X
	4	WO 99/4127C	19.08.99	PCT			X	
	5	WO 00/04142	27.01.00	PCT			X	
	6	WO 01/54685 A1	02.08.01	PCT			X	

EXAMINER INITIAL		OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)
	7	Bernacki et al., "Mucin Gene Expression during Differentiation of Human Airway Epithelia <i>In Vitro</i> . MUC4 and MUC5B Are Strongly Induced," <i>American Journal of Respiratory Cell and Molecular Biology</i> , 20(4): 595-604 (1999).
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	9	Clavereau et al., "Transfection of various carcinoma cell lines using Effectene™ reagent," in <i>Qiagen News - Customer Application Guide</i> , Issue No. 1 (2000).
	10	Davies et al., "Identification of MUC5B, MUC5AC and small amounts of MUC2 mucins in cystic fibrosis airway secretions," <i>Biochemical Journal</i> , 344 (Pt 2) (4697): 321-330 (1999).
	11	Desseyn et al., "Genomic organization of the 3' region of the human mucin gene MUC5B," <i>J. Biol. Chem.</i> , 272(27): 16873-16883 (July 4, 1997).
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	14	GenBank Accession No. AF107890, Chen et al., Homo sapiens mucin 5B (MUC5B) gene, partial cds. Released November 22, 2000.
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	18	GenBank Accession No. Z48314, Lesuffleur, H. sapiens mRNA for apomucin. Released August 2, 1995.


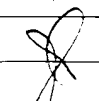
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<b>*EXAMINER</b> INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609. DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.	

FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO UC072.001A	APPLICATION NO 09 990.613
INFORMATION DISCLOSURE STATEMENT BY APPLICANT  (USE SEVERAL SHEETS IF NECESSARY)		APPLICANT WU et al	
		FILING DATE November 21, 2001	GROUP <del>None</del>

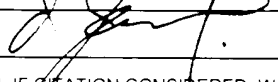
EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)	
	19	GenBank Accession No. Z72496. Laine, H. sapiens MUC5B gene (partial) Released August 20, 1997.
	20	GenBank Accession Number AJ004862. Laine. Homo sapiens partial MUC5B gene, exon 1-29 Released March 10, 2000.
	21	GenBank Accession Number AJ011582. Laine. Homo sapiens MUC5B gene, 5'UTR Released July 14, 2000.
	22	Hovenberg <i>et al.</i> , "Different mucins are produced by the surface epithelium and the submucosa in human trachea: identification of MUC5AC as a major mucin from the goblet cells," <i>Biochem. J.</i> , 318(Pt. 1, Vol. 17):319-324 (1996).
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	24	Jany, <i>et al.</i> , "Modification of Mucin Gene Expression in Airway Disease," <i>Am. Rev. Respir. Dis.</i> , 144(3 Pt 2) S38-41 (1991).
	25	Kaliner <i>et al.</i> , "Pulmonary Perspective Human Respiratory Mucus," <i>American Review of Respiratory Disease</i> , 134(3) 612-621 (1986).
	26	Ke <i>et al.</i> , "Human bronchial epithelial cells with integrated SV40 virus T antigen genes retain the ability to undergo squamous differentiation," <i>Differentiation</i> , 38(1):60-66 (1988).
	27	Keates <i>et al.</i> , "Molecular cloning of a major human gall bladder mucin: complete C-terminal sequence and genomic organization of MUC5B," <i>Biochem. J.</i> , 324(Pt 1) 295-303 (1997).
	28	Koo <i>et al.</i> , "Restoration of the Mucous Phenotype by Retinoic Acid in Retinoid-Deficient Human Bronchial Cell Cultures: Changes in Mucin Gene Expression," <i>American Journal of Respiratory Cell and Molecular Biology</i> , 20(1):43-52 (1999).
	29	Lesuffleur <i>et al.</i> , "Differential expression of the human mucin genes <i>MUC1</i> to <i>MUC5</i> in relation to growth and differentiation of different mucus-secreting HT-29 cell subpopulations," <i>J. of Cell Science</i> , 106 771-783 (1993).
	30	Lesuffleur <i>et al.</i> , "Mucins in normal and neoplastic human gastrointestinal tissues," <i>Crit. Rev. Oncol. Hematol.</i> , 17(3) 153-180 (1994).
	31	Louahed <i>et al.</i> , "Interleukin-9 upregulates mucus expression in the airways," <i>Am. J. Respir. Cell Mol. Biol.</i> , 22 649-656 (2000).
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	34	Perrais <i>et al.</i> , "Aberrant expression of human mucin gene MUC5B in gastric carcinoma and cancer cells; identification and regulation of a distal promoter," <i>J. Biol. Chem.</i> , 276(18):15386-15396 (May 4, 2001).
	35	Pigny <i>et al.</i> , "Human Mucin Genes Assigned to 11p15.5: Identification and Organization of a Cluster of Genes," <i>Genomics</i> , 38(3):340-352 (1996).
	36	Pigny <i>et al.</i> , "Identification of a 42-kDa nuclear factor (NF1-MUC5B) from HT-29 MTX cells that binds to the 3' region of human mucin gene <i>MUC5B</i> ," <i>Biochem. Biophys. Res. Commun.</i> , 220(1):186-191 (1996).
	37	Poster Presentation: Chen <i>et al.</i> , "Differential mucin gene expression and regulation in cultures of conducting airway epithelial cells," American Thoracic Society / American Lung Association International Conference, San Diego, CA (April 23-28, 1999), Abstract A22 [Poster: 604]
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	39	Robinson <i>et al.</i> , "Culture of Conducting Airway Epithelial Cells," <i>J. Tiss. Cult. Meth.</i> , 13 95-102 (1991).
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT		APPLICANT WU et al.	
(USE SEVERAL SHEETS IF NECESSARY)		FILING DATE November 21, 2001	GROUP <del>700</del>

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)	
	43.	Van Seuning et al., "Sequence of the 5'-flanking region and promoter activity of the human mucin gene MUC5B in different phenotypes of colon cancer cells." <i>Biochem. J.</i> , 348(Pt. 3):675-686 (June 15, 2000).
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	45.	Wu et al., "Growth and differentiation of conducting airway epithelial cells in culture." <i>European Respiratory Journal</i> , 10(10):2398-2403 (1997).
	46.	Yanagihara et al., "Lipopolysaccharide Induces Mucus Cell Metaplasia in Mouse Lung." <i>Am. J. Respir. Cell. Mol. Biol.</i> , 24(1):66-73 (2001).
	47.	Yankaskas et al., "Papilloma virus immortalized tracheal epithelial cells retain a well-differentiated phenotype." <i>Am. J. Physiol.</i> , 264:C1219-C1230 (1993).

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